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		semiconductor))		
111	80	annealing same (copper near3 Zinc)	EPO; JPO;	2003/07/16
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- 1. Semiconductor International Improving Copper Interconnects: A ...

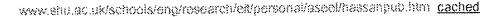
 ... copper does not form a compound upon annealing and has ... is encouraged to consider cadmium and zin doping elements for copper, offering significantly ...

 www.e-inside.net/esed/Article_47428 htm more results from this site
- 2. Effect of Thermal Annealing on Zinc Diffused- CdTe Thin Film (PDF)
 ... 325 Effect of Thermal Annealing on Zinc Diffused- CdTe ... temperature to 500 °C for different annealing times (t ... by evaporating a high purity copper (Cu) through ...
 www.geocities.com/egyptianssea/ESSSA/issue2/325.pdf view as html | more results from this site
- 3. Publications during the year 1995
 ... M., Varema T., Meissner D.: Zinc Oxide Thin ... CulnSe2Thin Films by Thermal Annealing of Electrochemic Deposited Elemental Copper, Indium and ...
 www.tu.ee/opto/Pub95-98.html cached
- 4. F = N kT x 1!" # \$ where is the extension ratio, x is the ... (PDF) ... However, the measured conductivity of **zinc** is smaller than that ... of a few atom percent of **copper** to aluminium ... tendency for these metals to form **annealing** twins. ... www.msm.cam.ac.uk/Teaching/pastpapers/2000-16-2.pdf view as html
- 5. United States Patent Application: 0020063256
 ... nickel oxidation (NiO) layer and a zinc oxidation (ZnO ... chromium, an aluminum, a gold, and a copper. ... emitting light device; processing a annealing treatment; and ... applitt.usplo.gov/netacgi/npix-Parser?Sect1=PTO2&Sect2=HITOFF&u=/netahtml/PTO/search-adv.intml&r=1&f = 50&d=PG01&p=1&S1=20020063256.PGNR.&OS=DN/20020063256&RS=DN/20020063256 cached
- 6. Green luminescent center in undoped zinc oxide films deposited on ...

 ... semiconductor heterojunctions, linear muffin-tin orbital method, annealing. ... ultraviolet laser ablation of z oxide. ... Role of copper in the green luminescence ...
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- 7. Surfaces: Statics, Dynamics and Growth: Selected papers from the ...

 ... et al) Auger parameter and chemical state plots for copper and zinc-containing compounds ... Abstracts: TI effects of exposure to oxygen and annealing on the ...
 bookmarkphysics.lop.org/bookpge.htm?ID=70hQLrmc-YCIGT-F64QFkM-Q&book=287h cached
- 8. Deep levels in ZnSe single crystals studied by nonlinear ... (PDF)
 ... u + center concentration. The extraction of copper from the crystal by annealing in zinc causes the decrear intensity of the nonlinear absorption ...

 www.mtmi.vu.it/vg/2pubipdf/ZNSE_86.pdf view as html
- 9. Keywords List (PDF) so ... traces Laser methods Laser annealing Laser induced ... Carbides Cobalt oxides Copper oxides Gallium ... Zeolites Zinc oxide Zinc selenide Molecules ... www.sssj.org/ejsant/Keywords_ejsant.pdf_view as html
- 10. <u>Dr Aseel Hassan publications</u>
 ... 9. The effects of **annealing** on the trap ... films of octasubstituted amphiphilic **copper** phthalocyanine molecules. ... evaporated thin films of **-zinc** phthalocyanine. ...



11. JES Volume 137, Number 8 👳

... of Cathodic Potential Oscillations of the Zinc Electrode in ... of the Film Thickness and Annealing Treatmen ... Active And Passive Copper Dissolution At A Rotating ...

www.electrochem.org/publications/jes/tocs/1990/toc9008.htm cached | more results from this site

12. MfgTec100 Syllabus B

... properties of common engineering materials such as iron, steel, zinc, copper, aluminum and ... reproduce implanting, drive-in and annealing semiconductor diagrams. ...

selfand boisestate.edu/sylfabi/Mfgtec/100/mfgtec100syl.asp_cached

13. Haflidi P. Gislason, List of Publications &

... Yang Passivation and reactivation of copper and zinc acceptors by ... properties of GaAs doped with coppe Proc ... H. Munekata and H. Kukimoto, Thermal annealing of N ...

www.raunvis.hi.ls/~hafiidi/iop.html cached

14. Copper, Silver and Gold B

... Arsenic raises the softening (annealing) temperature to around 550°C from ... in stabilizing the markets in aluminium, copper, lead, nickel, tin and zinc. ...

www.du.edu/~icalvert/phys/copper.html cached

15. http://www.infomag.ru:8082/dbase/J134E/011224-010.txt 👨

... of an ultrathin TaO_{x}N_{y} gate dielectric prepared by O_{3} annealing PP 2221 ... from the Sm_{2}Fe_{17}N_{x} powders coated by copper and zinc metals PP 2225 ...

www.informag.ru/3082/dbase/J134E/011224-010.bxt cached | more results from this site

16. HTE Labs &

provides wafer foundry, research and development support, and specialty processing to customers from semiconductors and microelectronic industry.

www.melabs.com/ cached

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17. SciTecLibrary - Latest Inventions 5

... higher purity of zinc smelted from zinc dross, reduced ... parts in the copper or copper-based glass to ... la composite blank, cold deformation, annealing and final ...

www.sciteclibrary.com/eng/catalog/invn/Metallurgy/ cached

18. advanced 🖷

... By controlling implantation and annealing conditions, they ... different chemical elements (eg, zinc selenide telluride alloys or copper indium gallium ...

www.omi.gov/ORNLReview/rev29-12/text/advanced.htm cached | more results from this site

19. Instructions for Authors Concerning the Use of Keywords for ... (PDF) 5

... exchange/traces 9 Laser methods 9 Laser annealing 9 Laser ... 9 Chlorine 9 Chromium 9 Cobalt 9 Copper Diamond ... 9 Vanadium 9 Ytterbium 9 Yttrium 9 Zinc 9 Zirconium ...

www.ap.tuwien.ac.at/www/ecoss18/SS_Keywords.pdf view as html

20. PTO Manual of Classification for US patents 👨

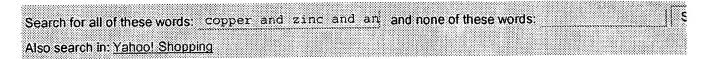
... containing 437 .Aluminum base 438 ..Copper containing 439 ... containing 440 ..Magnesium containing 441 .Zinc base 442 ... 3 ANNEAL DIG 4 ANNEALING, INCOHERENT LIGHT ...

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21. Henning Feick's Publications &

... Feick, ER Weber, P. Yang Catalytic Growth of Zinc Oxide Nanowires ... ER Weber About the reaction path c copper in silicon ... H. Feick and ER Weber Annealing of the ...

www.mse.berkeley.edu/groups/weber/felok/publications.htm cached

22. Nat'l Academies Press, Materials for High-Temperature ...

... They also discovered that annealing the magnesium-doped GaN at 700 ... an attempt to produce p-type GaN, with zinc as the ... Tungsten and copper are likely candidates ...

www.nap.edu/books/0309053358/html/39 html cached | more results from this site

23. "Frontier Material Science towards "Frontier Material Science ... (PDF) =

... Si> Metal-Oxide-Semiconductor Diodes by Post-Metallization Annealing Asuha, T ... of Lotus-type Porous Brass by Alloying Porous Copper with Zinc by Diffusion ...

www.sanken.osaka-u ac.jp/symposium//SIRNo5/Poster.pdf view as html

24. Richard Rixiang Mu 🖷

... processes in metal and semiconductor nanophase materials. ... by post-thermal annealing zinc-implanted silica ... structural characterization of copper indium disulfide ...

säemason.vanderbit.edu/slie/hlvOHC_cached

25. Electronics / Microelectronics Manufacturing - Microelectronics ... 💩

... units, etching equipment, annealing furnaces and ... Semiconductor Manufacturing Equipment (4) -Equipment used to ... such as tin/lead or zinc/copper alloys), which ...

process-equipment.globalspec.com/ProductGlossary/Manufacturing_Process_Equipment/Microelectronics_M: mufacturing cached

26. References by First Author, (W)

... The effect of thermal annealing on GaN nucleation layers ... Quantum-Well Laser Diodes on Copper Substrates by ... and InN 1995; Bowing parameters for zinc-blende Al 1 ...

osrumijumas.org/reis/byauthor/W.intml cached

27. Business.com/industrial goods and services/materials/metals/ ... 👨

... Annealing; Anvils; Arc Welding Equipment; Assembly; Assembly Equipment; ... Copper; Copper Casting; Copper Plating; Cord and Twine ... Zebra Technologies; Zinc; Zinc Casting. ...

www.business.com/directory/industrial_goods_and_services/materials/metals/interpion_semicondustor company_imited/sponsored.asp_cached | more results from this site

28. Articles of M (MICROSOFT WORD) 💩

... with Composition of the Magnetic Properties of Mixed Cobalt Zinc Ferrite Nanoparticles. ... Annealing progress of anisotropic copper nancrystals: 2 ...

www.fwn.reg.et/nano/infospeakers/PileniMP.doc. view as html

29. THE ROLE OF HIGH-PURITY NOBLE METALS IN PRECISION THERMOMETRY (PDF)

... Following annealing, pull wires were used to thread the ... 156.5985 ° C), tin (231.928 ° C), zinc (419.527 °

... either the thermoelements or the copper lead wires ...

www.cstl.nist.gov/div836/836.05/papers/Rippte_St-1045.pdf view as html | more results from this site

30. JEM Abstracts: February 1995 👳

... 700°C). Additionally, the out-diffusion of **zinc** atoms from ... we present the first results of **annealing** nominally undoped ... to a value of 90 dB for solid **copper**. ...

www.ims.org/pubs/journals/JEM/abstracts-9502.html cached | more results from this site

31. AIST:AIST Today 2003-No.8 &

... When **copper** ions were reduced by hydrazine using hybrid ... OH) 2 and the following low-temperature **annealing**. ... based on a destabilization of **zinc** hydroxide/ammine ... www.aist.go.jp/aist_e/aist_today/2003_08/2003_08_main.html cached

32. Publications (PDF) 5

... Cu2O crystals persist at the pitted **copper** surface ... to the improved understanding of this chromate-free **zinc** conversion process ... by H 2 S Reactive **Annealing** of Iron ... www.bam.de/kompetenzen/arbeitsgebiete/abteilung_8/fachgruppe_82/fg_82_inedien/iaboratorium_822b_l.pd view as html

33. Table of Contents (PDF) 5

... 5 THIN FILM DEPOSITION 6 ANNEALING AND SURFACE ... T. Suzuki Laser adjustment of beryllium copper sheet using ... Behavior of zinc oxide nanoparticles in pulsed-laser ...

www.sole.org/web/abstracts/pdfs/CDS95.pdf view as html | more results from this site

34. This Month's Papers: Semiconductor Science and Technology

... of fast electron bombardment and **annealing** on Bi ... the point-defect analysis technique to **zinc** doping of .. **Copper** tin sulfide **semiconductor** thin films produced by ... www.iop.org/EJ/S/UNREG/y,YOMnkij7Z,KXK6wLbXHg/toc/-ff30=ail/-ffiasn=0268-1242 cached | more results from this site

35. LT22 Poster sessions: Monday, August 9 👳

..._x\$Si\$_{1-x}\$ Films Iyo, Akira : **Annealing** effect on ... Session 9R: Cuprates, **Copper** Oxides, and Borides. to the Antenna Hallock, RB : Properties of **Zinc** Thin Film ...

36. FACT SHEET FOR NPDES PERMIT WA0039616 (PDF) 👳

... ANNEALING All silicon wafers are placed in furnaces. ... toxics were determined to be present in the discharge: minor amounts of chlorine, copper, and zinc. ... www.ecy.wa.gov/programs/wg/permits/permit_pdfs/seh_america/fractSheet_14Sep1998_SEH_WA0039616.pview as html

37. Glossary of Terms

... Brass a copper-rich copper-zinc alloy ... Bronze a copper-rich copper-tin alloy ... grains within a previously cold-worked material; normally an annealing heat treatment ...

www.tulane.edu/~bmitche/book/giossary.html cached

38. Materials Monthly (PDF) &

... in controlling the vapour phase transport of **copper**. ... important metals such as gold, silver and **zinc**. ... beam epitaxy, ion implantation and thermal **annealing**. ... www.anu.edu.au/CSEM/newsieters/2001/Nev01.pdf view as html

39. PUBLICATIONS R

... [92] Structural Investigations of Copper Nano-Rods ... Composition of the Magnetic Properties of Mixed Cobalt Zinc Ferrite Nanoparticles ... [104] Annealing progress of ... www.sd.jussieu.fr/publi html cached

40. Alumni 🖶

... A direct observation of vacancy **annealing** in quenched gold ... in quenched aluminum -1.7 atomic % **zinc** 1972 Srivastava ... on the sintering rate of **copper** powder 1971 ... www.matscieng.sunysb.edu/alumni.html <u>cached</u>

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41. Research 8

... titanium-gettered argon gas for high-purity annealing. ... on the microstructure of copper-rich CuFe ... GaAs), cadmium telluride (CdTe), cadmium zinc telluride (CdZnTe ... www.engig.umich.egu/dept/guclead/research/facilities.html cached

42. UWS - Staff CV and Research Interests - Professor Brian Wilshire

- ... BISRA?s compact continuous annealing process. ... high-temperature creep of copper, iron and zinc.
- ... on the creep and fracture behaviour of polycrystalline copper. ...

www.swan.ac.uk/uws/research/staff_cv/Materials%20Engineering/bwilshire.htm cached

43. Universität Münster: Forschungsbericht 1999-2000 - ...

... B implants in Si upon rapid thermal annealing under various ... defects in silicon induced by zinc out-diffusion ... Double-hump diffusion profiles of copper and nickel ... www.uni-muenster.de/Rektorat/Forschungsberichte-1999-2000/fortigd02.htm cached

44. MRS Online Publications 🖷

... Multiple Donors in Zinc Oxide Substrates F2.4 K ... Partial Annealing of Defects in Boron-Implanted p-Type ... Behavior of Copper in CdGeAs2 Crystals F8.32 Valeriy G ... www.nes.org/publications/epubs/proceedings/spring2002/f/ cached | more results from this site

45. New Page 1 5

... Propeties of RF sputtered zinc oxide films ... High temperature annealing effects on ... 1. ?Mechanism of copper removal during chemical Mechanical polishing?, T ... people pecs of equisondaram/publications infini cached

46. SPECIFICATION FOR POLISHED RECLAIMED SILICON WAFERS (PDF) &

... Unspecified 5.5 Backseal Unspecified 5.6 Annealing Unspecified 6.0 ... Item Specification Nickel Unspecified Copper Unspecified Zinc Unspecified 7.2 ...

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47. http://eecs.oregonstate.edu/~flf/fsrec43.txt =

... heat treatment conditions; interstitial; annealing; reduction; heterogeneous ... on reverse biased zinc-diffused p ... Characteristics of the copper impurity center in ... eecs.oregonstate.edu/~fif/fsrec43.txt_cached

48. Celerity - Semiconductor Science and Technology

... the point-defect analysis technique to zinc doping of ... of fast electron bombardment and annealing on Bi ... Copper tin sulfide semiconductor thin films produced by ... ceterity.org/S/jnis/0/S/0288-1242/18/8/0 cached | more results from this site

49. Indian Institute of Technology Kanpur Department of mechanical ... (PDF) 👨 ... interstitial positions between the atoms of the other: Brass is an alloy of copper and zinc. ... These materials can be trained through an annealing process. ...

home.iik.ac.in/~kamatkk/classifiation-materials.pdf view as html

50. Form MC-3519 (PDF) №

... for diffusion, oxidation, or annealing of semiconductor ... 83 46 47 48 49 Semiconductor manufacturing 33 ... 4 Ferrous foundries Aluminum Copper Zinc Other Nonferrous ... www2.consus.gov/pub/outgoing/econforms/Manufacturing/MC3519.PDF view as html

51. Amcom23 1732..1735 (PDF) 🖶

... structural point of view, ZnS hasthe **zinc**-blend structure ... of nanobelts onto a carbon-coated **copper** grid and ... in polythiophene films by thermal **annealing**, [4] or ...

www.nanoscience.galiech.edu/zlwang/publicalions/ZnOZnSNanocables.pdf view as html

52. Appendix II 2001 Users' Research Reports (PDF) 👳

... of Stoichiometric and Non-Stoichiometric **Zinc** Sulfide Materials ... Structure (EXAFS) on Sorption of **Copper**(II) by ... Lithography Effects of X-ray **Annealing** for TFT ...

www.srrc.gov.tw/chi/about/pdf/rep2001-2002/Appendix%20lt.pdf view as html

53. Tony Cullis' Profile Page 🖷

... Differential Ion Damage and its **Annealing** Behaviour in ... Cadmium Telluride, **Zinc** Sulphide and **Zinc** Selenide Ultramicroscopy ... of Implanted Tungsten in **Copper**? Appl ...

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54. 1indvol9 ₽

... Influences of nitridation and thermal annealing on GaN ... Transparent conducting zinc-co-doped ITO films ... based diffusion barriers between copper and silicon JMT ...

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55. Research Publications

... and oxide properties after rapid thermal annealing, BJ O ... of the Nucleation of Electroless Copper at Activated ... Thermography Inspection of Iron-Zinc Alloy Coatings ...

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56. CMS: Researchers: Su-Huai Wei - Publications

... First principles simulated annealing study of phase ... Band structure and stability of zinc-blende-based

... Absence of volume metastability in bcc copper", ZW Lu ...

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57. Semiconductor Physics Institute SCIENTIFIC REPORTS OF ... (PDF) 5

... REFLECT, Scientific Reports of **Semiconductor** Optics Laboratory, **Semiconductor** Physics Institute ... problems by conventional sputtering and **annealing** technique, we ...

www.pfi.tr/research/tab/SOL/ScientificReports/2002.pdf view as html

58. ARTICLE 6: NEW SOURCE REVIEW (PDF)

... nitric, or sulfuric acid) of brass, bronze, **copper**, iron, tin, **zinc**, precious metals ... (36) Equipment used exclusively for softening or **annealing** plastics, if ...

www.pscieanair.org/reg1/1-6.pdf view as html

59. Bulletin of Materials Science (PDF) &

... 2,2,6,6-tetramethyl-3,5-heptadionato) **copper**(II) Sukanya ... and shape controlled synthesis and **annealing** of stable ... and Tarasankar Pal 509 Improved **zinc** oxide film ...

www.as.ac.in/matersci/bmsdec2002/Lpdf view as html | more results from this site

60. Condensed Matter authors/titles "new"

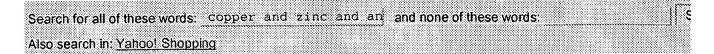
... phase transformations that occur in **zinc**-sulfide crystals ... We show that, through **annealing**, infinite-range structures ... the oxygen cage enclosing the **copper** hole. ...

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